

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. L-F/168		SERIAL NO. 08/753,288	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Battiato et al.			
				FILING DATE November 22, 1996		GROUP Unknown	

OFFICE
 JUN 25 1998
 PATENT & TRADEMARK OFFICE

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS											
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE					
ST	A.A 3 7 3 1 6 7 9	5/8/73	Wilhelmson et al.	128	214F	10/70					
	A.B										
	A.C										
	A.D										
	A.E										
	A.F										
	A.G										
	A.H										
	A.I										
	A.J										
	A.K										

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)		
ST A.L	WO 96/20746	11.07.96 PCT			No		
ST A.M	0 181 691	21.05.86 European			Yes		
ST A.N	0 346 950	20.12.89 European			Yes		
	A.O						
	A.P						
	A.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)	
ST	A.R Beach et al., <u>A bubble detector for automatic analgesic drug injectors.</u> , 8056 Journal of Phys. E-Scientific Instructions, Vol. 13 (1980) Oct., N°10, London, Great Britain
	A.S
	A.T

EXAMINER <div style="font-family: cursive; font-size: 1.2em;">Sharon E. Finkel</div>	DATE CONSIDERED <div style="font-family: cursive; font-size: 1.2em;">August 12, 1998</div>
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EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

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APPLICANT
Battiato et al.FILING DATE
November 22, 1996GROUP
Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JS</i>	A.A	3 7 0 1 3 4 5	10/72	Heilman et al.	128	2 R	9/70
	A.B	3 7 5 2 1 4 5	8/73	Runnels et al.	128	2 R	11/71
	A.C	3 8 1 2 4 8 2	5/74	Clark	340	237 R	2/73
	A.D	3 8 8 8 2 3 9	6/75	Rubinstein	128	2 A	6/74
	A.E	3 9 3 5 8 7 6	2/76	Massie et al.	137	177	11/74
	A.F	3 9 8 9 6 2 5	11/76	Mason	210	94	2/75
	A.G	4 0 0 6 7 3 6	2/77	Kranys et al.	128	2 A	11/74
	A.H	4 1 1 4 1 4 4	9/78	Hyman	340	632	8/76
	A.I	4 2 1 0 1 3 8	7/80	Jess et al.	128	214 E	12/77
	A.J	4 2 1 3 4 5 4	7/80	Shim	128	214	12/77
<i>JS</i>	A.K	4 2 4 4 3 6 5	1/81	McGill et al.	128	214 E	3/79

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
<i>JS</i>	A.L	147737	11/62	Soviet Union	128	DIG 13	No
	A.M						
	A.N						
	A.O						
	A.P						
	A.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

<i>JS</i>	A.R	Medrad, Inc., <u>MEDRAD MARK V SYSTEM</u> , Medrad Sales Brochure, 8/88
	A.S	Medrad, Inc., <u>Medrad MCT Plus Front Load Injection System</u> , Medrad, Inc. Sales Brochure, No Date
<i>JS</i>	A.T	Liebel-Flarsheim, <u>ANGIOMAT 6000 Digital Injection System</u> , Liebel-Flarsheim Sales Brochure, 1987

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83	B.A	4 2 5 6 4 3 7	3/81	Brown	417	45	2/78
	B.B	4 2 8 0 4 9 5	7/81	Lampert	128	214 E	11/78
	B.C	4 3 1 2 3 4 1	1/82	Zissimopoulos et al.	128	214 E	12/79
	B.D	4 3 6 7 7 3 6	1/83	Gupton	128	214 E	8/80
	B.E	4 4 5 2 2 5 1	6/84	Heilman	128	655	11/82
	B.F	4 4 9 6 3 4 6	1/85	Mosteller	604	123	8/83
	B.G	4 5 0 8 5 3 2	4/85	Drews et al.	604	22	9/83
	B.H	4 5 5 9 4 5 4	12/85	Kramer	250	577	4/83
	B.I	4 5 6 5 5 0 0	1/86	Jeensalute et al.	417	53	2/83
	B.J	4 6 5 0 4 6 2	3/87	Langer et al.	604	65	11/84
83	B.K	4 6 5 8 2 4 4	4/87	Meijer	340	632	3/85

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

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	B.L						
	B.M						
	B.N						
	B.O						
	B.P						
	B.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

83	B.R	Siemens Aktiengesellschaft, <u>SIMTRAC C</u> , Siemens Aktiengesellschaft Sales Brochure, No Date
	B.S	Liebel-Flarsheim, <u>Angimat CT-Digital Injection System for Enhanced CT Scans</u> , Liebel-Flarsheim Sales Brochure, 1988
83	B.T	E-Z-EM, <u>Simple the Best Value in Low-Pressure CT Injection Systems. Percupump 1A</u> , Therapex, Division of E-Z-EM Canada, Inc., Sales Brochure, 1990

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U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>83</i>	C.A	4	6	9	5	2	7	1	9/87	Goethel	604	49	2/86
	C.B	4	7	8	4	6	4	3	11/88	Siretchi et al.	604	122	5/87
	C.C	4	7	9	7	6	5	5	1/89	Orndal et al.	340	521	3/87
	C.D	4	8	1	2	7	2	4	3/89	Langer et al.	318	599	11/84
	C.E	4	8	2	9	4	8	8	5/89	Balding et al.	364	509	9/85
	C.F	4	8	5	0	8	0	7	7/89	Frantz	417	63	6/87
	C.G	4	8	5	4	3	2	4	8/89	Hirschman et al.	128	655	2/88
	C.H	4	8	8	4	0	6	5	11/89	Crouse et al.	340	632	6/88
	C.I	5	0	0	6	1	1	0	4/91	Garrison et al.	604	65	12/87
	C.J	5	0	6	2	8	2	8	11/91	Waltz	604	51	2/90
	<i>83</i>	C.K	5	2	0	6	5	2	2	4/93	Danby et al.	250	574

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	C.L						
	C.M						
	C.N						
	C.O						
	C.P						
	C.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)		
<i>83</i>	C.R	Abstract, <u>Soviet Union Patent No. 147737</u> , 11/62
	C.S	
	C.T	

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER								ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
88	D.A	5	2	6	9	7	6	2		12/93	Armbruster et al.	604	155	4/92
1	D.B	5	2	7	9	5	6	9		1/94	Neer et al.	604	154	5/92
88	D.C	5	3	2	2	5	1	1		6/94	Armbruster et al.	604	155	11/93
	D.D													
	D.E													
	D.F													
	D.G													
	D.H													
	D.I													
	D.J													
	D.K													

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	D.L						
	D.M						
	D.N						
	D.O						
	D.P						
	D.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

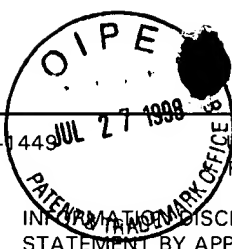
	D.R	
	D.S	
	D.T	

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		APPLICANT Battiato et al.	
		FILING DATE November 22, 1996	GROUP 3734

(37 CFR 1.98(b))

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ST	A.A	3 8 8 0 1 3 8	4/29/75	Wootten et al.	128	2 A	1/74
	A.B						
	A.C						
	A.D						
	A.E						
	A.F						
	A.G						
	A.H						
	A.I						
	A.J						
	A.K						

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		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
ST	A.L	0 567 186	27 Oct. 93	European			Yes
ST	A.M	1.530.021	29 June 67	France			No
ST	A.N	WO 94/25089	28 April 94	PCT			Yes
ST	A.O	2.735.031	12 Dec 96	France			No
	A.P						
	A.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

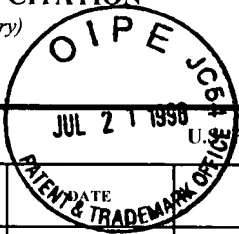
	A.R	
	A.S	
	A.T	

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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Docket Number (Optional)

Application Number

08/753,288

Applicant(s)

BATTIATO et al.

Filing Date

11/22/1996

Group Art Unit

3734

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
US85	AA	4,006,736	2/8/1977	KRANYS et al.			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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